TUNABLE DISPERSION COMPENSATION USING A PHOTOELASTIC MEDIUM

Abstract of the Disclosure

Dispersion in an optical medium may be compensated for by providing a dispersion of the opposite sign. The dispersion of the opposite sign may be tunably provided by stressing a photoelastic medium. In other words, a tunable degree of dispersion compensation can be applied by providing an adjustable amount of stress to a photoelastic medium, which in turn generates a dispersion which may be of an amount sufficient to compensate for the dispersion induced in the optical medium.